

-TENTATEVE-

Palmcorder®  
PalmSight™

Panasonic®



Camcorder  
Operating Instructions

Models No.

PV-L551

PV-L601

PV-L651

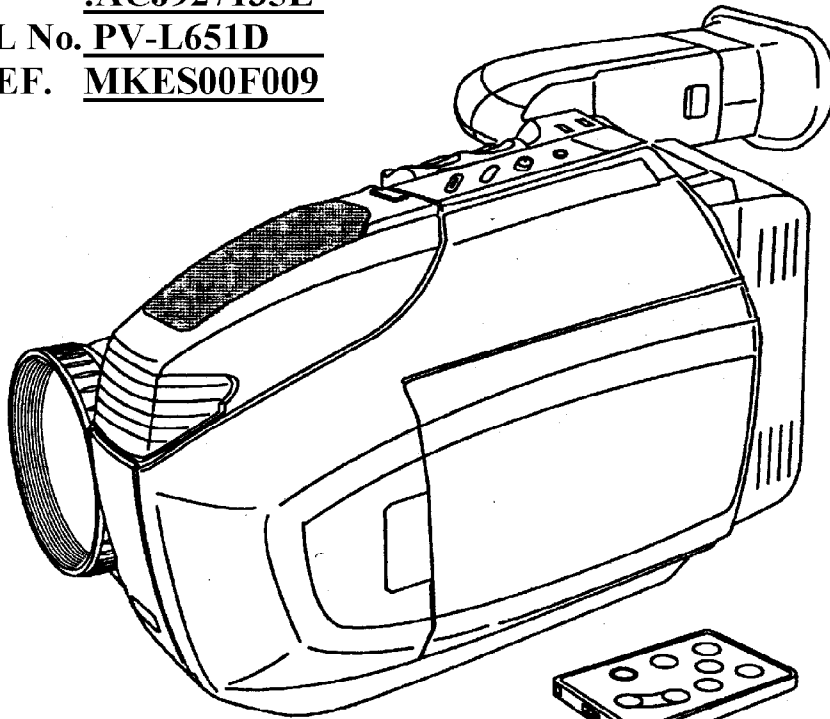
EXHIBIT #         6        

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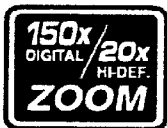
FCC ID   :ACJ927135L  

MODEL No.   PV-L651D  

OUR REF.   MKES00F009  



(PV-L651 shown)



Please read these instructions carefully before attempting to operate this product.  
Please save this manual.

Guía para rápida consulta en español está incluida.

For assistance, please call : 1-800-211-PANA(7262) or  
send e-mail to : [consumerproducts@panasonic.com](mailto:consumerproducts@panasonic.com)

LSQTxxxxA

Getting Started

Basic Operation

Special Features

For Your Information

# Things You Should Know

## Thank you for choosing Panasonic!

You have purchased one of the most sophisticated and reliable products on the market today. Used properly, it will bring you years of enjoyment. Please take time to fill in the information at right. The serial number is on the tag located on the rear side of your Camcorder. Be sure to **retain this manual** as your convenient Camcorder information source.

Date of Purchase \_\_\_\_\_

Dealer Purchased From \_\_\_\_\_

Dealer Address \_\_\_\_\_

Dealer Phone No. \_\_\_\_\_

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_





## Safety Precautions

### WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

Your Compact VHS Camcorder is designed to record and play back in Standard Play (SP) and Super Long Play (SLP) modes. You can also play a Compact VHS Camcorder recording on your VHS VCR using the VHS PlayPak supplied.

This Camcorder is equipped with the **HQ** System to provide excellent video pictures, and is compatible with standard VHS equipment.

It is recommended that only cassette tapes that have been tested and inspected for use in VCR machines with the **VHS-C** and/or **VHS** mark be used.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
<b>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL</b>		
	This symbol warns the user that uninsulated voltage within the unit may have sufficient magnitude to cause electric shock. Therefore, it is dangerous to make any kind of contact with any inside part of this unit.	
	This symbol alerts the user that important literature concerning the operation and maintenance of this unit has been included. Therefore, it should be read carefully in order to avoid any problems.	

The above markings are located on the appliance bottom cover.

**FCC Warning:** Any unauthorized changes or modifications to this equipment would void the user's authority to operate.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Note:** This equipment has been tested and found to comply with Part 15 and part 18 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when operated in a residential environment.

If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver.

If necessary, consult the dealer or an experienced radio/TV technician for help. You may find the booklet, 'Something About Interference' available from FCC local regional offices helpful.

# Before Using

This operating instruction book is designed for use with models **PV-L551**, **PV-L601**, and **PV-L651**. Illustrations in this manual show the **PV-L651**. Features may vary, so please read carefully.

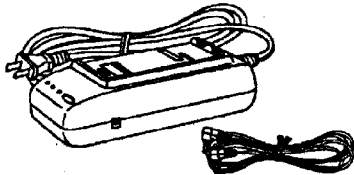
## Differences between models

Model	PV-L551	PV-L601	PV-L651
LCD Monitor	63.5 mm (2.5 inch) Liquid Crystal Display	76.2 mm (3.0 inch) Liquid Crystal Display	101.6 mm (4.0 inch) Liquid Crystal Display
8-Function Remote Control	No	No	Yes

## Unpack your Camcorder

These accessories are provided in order to set up or use your Camcorder.

1 pc. AC Adaptor (PV-A19) with DC Power Cable (page 9)



1 pc. Battery Pack (PV-BP18) (pages 8, 9)



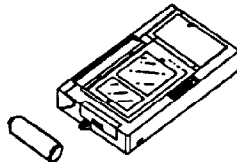
1 pc. Audio/Video Cable (LSJA0283/VJAW0032/VJAW0039) (pages 19, 20)



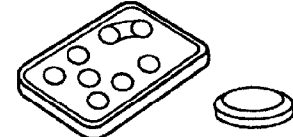
1 pc. Shoulder Strap (LSFC0012) (page 7)



1 pc. VHS PlayPak (PV-P1/VYMW0009) and one "AA" battery (page 19)



1 pc. 8-Function Remote (VSQW0038) with one CR2025 Battery. (page 21) (PV-L651 only)



1 pc. CR2025 Clock Battery (VSBW0004) (installed in Camcorder) (page 34)



Remote has been loaded with battery. (page 34) (PV-L651 only)

## Record/Playback Time

Use tapes with the **VHS** mark in this unit.

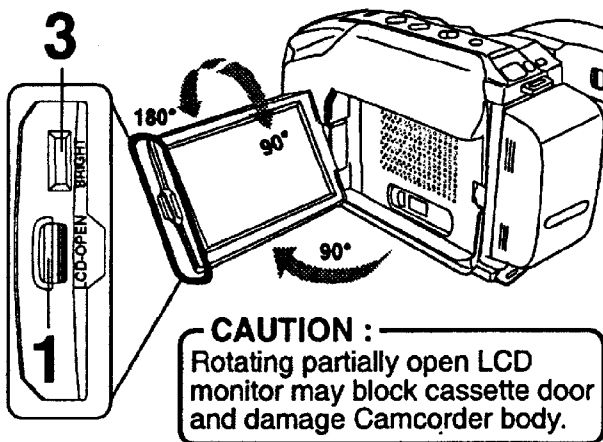
Tape Speed Selector Position	Cassette type		
	TC-20	TC-30	TC-40
SP (Standard Play)	20 minutes	30 minutes	40 minutes
SLP (Super Long Play)	1 hour	1 hour 30 minutes	2 hours

• SLP playback may contain more picture noise.

# Camera Recording

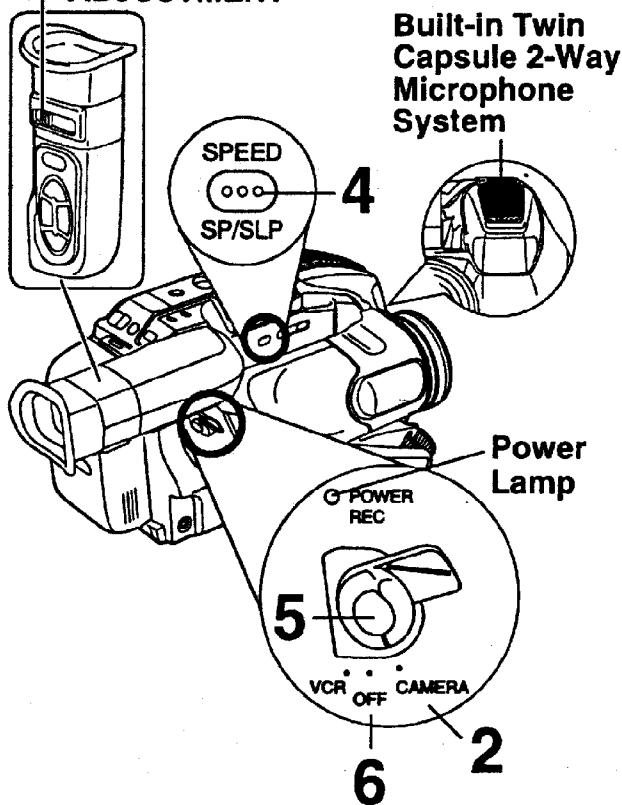
## Recording via EVF or LCD Monitor

View recording scene on EVF or LCD (Liquid Crystal Display) monitor.



**CAUTION :**  
Rotating partially open LCD monitor may block cassette door and damage Camcorder body.

## 3 VISION ADJUSTMENT



### Note:

- When Camcorder is aimed at excessively bright objects, or bright lights, a vertical bar may appear in the picture. This is normal for the CCD pick-up. Try to avoid this when possible.
- Using LCD monitor reduces battery operation time. Return LCD monitor to locked position when not in use.

## Before you begin...

- Connect Camcorder to power source.
- Insert cassette with record tab (page 7).

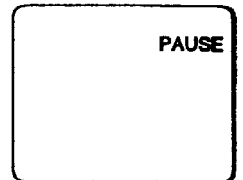
**1** Press **LCD-OPEN** to unlock the LCD monitor. **Swing LCD monitor fully open and adjust viewing angle.**

- If you want to recording on EVF, close and lock LCD monitor.

**2** Set **POWER** to **CAMERA**.

Lens Cover opens.  
Power Lamp lights.

- Be sure **POWER** is fully turned to **CAMERA** position.
- EVF or LCD monitor turns on/off by the **POWER** switch.
- EVF shuts off when LCD monitor is opened and turns back on when LCD is closed.
- Both EVF and LCD monitor turn on when LCD is at 180° (see above left). This allows both you and the subject to view the recording.



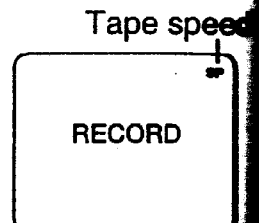
EVF or LCD Monitor (Record/Pause mode)

**3** **LCD monitor** : Turn **BRIGHT** control to adjust LCD monitor brightness level.

**EVF** : Look into **EVF** and adjust **VISION ADJUSTMENT** to your eyesight.

**4** Hold down **TAPE SPEED** for about 1 second to change tape speed to **SP/SLP** (page 6).

**5** Press **RECORD/PAUSE** to start or pause recording.



**6** Set **POWER** to **OFF** when finished. **EVF or LCD Monitor** (Record mode)

- To remove cassette, slide **TAPE EJECT** in Record/ Pause mode. (page 7).

### WARNING:

- Do not leave the camcorder with the **EVF** aimed directly at the sun. This may cause damage to the internal parts of the **EVF**.

# Specifications

<b>Power Source:</b>	Compact VHS Camcorder: DC 6 V AC Adaptor: 110/120/220/240 V AC, 50/60 Hz Battery: Nickel-Cadmium Type DC 6.3 V
<b>Power Consumption:</b>	Compact VHS Camcorder: 6V DC 8.5 W (Max. 11.5 W) AC Adaptor: 19 W 1.2 W (when not in use.)
<b>Video Signal:</b>	EIA Standard (525 lines, 60 fields) NTSC color signal
<b>Video Recording System:</b>	2 rotary heads plus flying erase head. Helical scanning system
<b>Audio:</b>	1 track
<b>Pick-Up System:</b>	Sequential color difference field reverse system
<b>Pick-Up Device:</b>	One integral color filter Charge Coupled Device (CCD)
<b>Lens:</b>	20:1 zoom lens, F1:1.6 with auto iris control Focal length: 3.6 mm - 72 mm 4 speed power zoom function Lens filter diameter: 49 mm
<b>Viewfinder:</b>	14 mm (0.55 inch) Liquid Crystal Color Electronic Viewfinder
<b>LCD Monitor:</b>	63.5 mm (2.5 inch) Liquid Crystal Display (PV-L551) 76.2 mm (3.0 inch) Liquid Crystal Display (PV-L601) 101.6 mm (4.0 inch) Liquid Crystal Display (PV-L651)
<b>Minimum Illumination Required:</b>	0.8 lx (F1:1.6) 0.08 footcandles 7 lx (F1:1.6) 0.7 footcandles (EIA Standard)
<b>Operating Temperature:</b>	0 °C~40 °C (32 °F~104 °F)
<b>Operating Humidity:</b>	10 %~75 %
<b>Weight:</b>	Compact VHS Camcorder: 1.02 kg 2.25 lbs. AC Adaptor: 0.29 kg 0.64 lbs.
<b>Dimensions:</b>	Compact VHS Camcorder: 108 (W) × 118 (H) × 180 (D) mm 4-1/4 (W) × 4-5/8 (H) × 7-1/8 (D) inch AC Adaptor: 68 (W) × 41 (H) × 140 (D) mm 2-11/16 (W) × 1-5/8 (H) × 5-1/2 (D) inch

Weight and dimensions shown are approximate.

Designs and specifications are subject to change without notice.